



Defense Finance and Accounting Service

Supporting Tools

Your Financial Partner @Work

DFAS-DTC
SLC Seminar 2002 & 2003

SLC Web Resources

e-portal

- TSO (Community)
- TSO-CS
- Process Asset Library
- DFAS System Life Cycle

www.dfas.mil

- Reference Library
- Process Asset Library
- System Life Cycle

development web (TSO)

- Process Asset Library
- System Life Cycle

Defense Finance and Accounting Service

HOME MONEY MATTERS NEWS E-COMMERCE
LIBRARY CAREERS CONTACTS ORGANIZATION SEARCH

DFAS System Life Cycle (SLC)

- [SLC Diagrams](#) (PowerPoint)
- [SLC Tasks](#)
- Tasks Related to:
 - [Process Area](#)
 - [Management Responsibility](#)
 - [Job Role](#)
- [Project Plan Template](#) (Project)
- [Documentation Standards](#)
- [Documentation Matrix](#) (Excel)
- [Return on Investment \(ROI\) Calculator](#) (Excel)
- [Life Cycle Management Policy](#) (Word)
- [References](#)

The DFAS System Life Cycle provides a framework to plan and execute project activities. It facilitates program and software management "best practices," enables managers to assess and manage risk, and provides program flexibility and visibility to DFAS management. The SLC complies with DoD guidance, supports development and commercial-off-the-shelf (COTS) customization approaches, and enables security assessment and planning.


The links to the left ease your review of the SLC. They start with high-level diagrams of the workflow and decision points and conclude with the detail policy. In addition to the diagrams, most users find the SLC tasks links most useful.


The SLC diagrams show both the acquisition and maintenance parts of the SLC. This general framework should be tailored by each program.

The Microsoft Project template is pre-populated with the complete SLC and can be tailored by any program to be their project schedule and tracking tool.

Documentation standards provide a ready reference of templates and the matrix places the documents in SLC perspective.

The return-on-investment (ROI) calculator computes standard ROIs, net present values, and payback periods from a string of cost and benefit streams that the user provides.

Search 

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Please direct questions/comments about this page to the DFAS PAL Administrator at pal.admin@dfas.mil, DFAS-TA/IN

SLC Activities, Tasks, Templates

Release 6.0	SYSTEM LIFE CYCLE	May 17, 2002
System	Release 6.0	SYSTEM LIFE CYCLE
Pre-Systems Acquisition	Task: Define Operational Requirements	
Business Process	Phase: Concept and Technology Development	
Identify and Define	Activity: Operational Requirements Definition	
Review Current	Process Area: Requirements Development and Management	
Determine Business	Management Responsibility: Business Line Executive, Product Line Executive	
Analysis	Task Level: Enterprise, Application	
Establish Customer		
Mission Need Establishment		
Establish Mission		
Milestone Review		
Conduct Milestone		
Concept and Technology		
Program Planning		
Appoint Program		
Perform COTS		
Perform COTS		
Analyze Acquisition		
Determine Acquisition		
Determine Life Cycle		
Establish Interim		
Maintain Customer		
Conduct Decision		
Establish Program		
Determine Program		
Determine Interim		
Prepare Cost		
Perform Funding		
Estimate Life Cycle		
Perform Economic		
Establish Data		
Establish Test		
Establish Risk		
Develop Program		
Develop Budget		
Establish/Maintain		
Perform Release		
Plan Clinger-Crom		
Manage Program		
Establish Program		
Manage Program		
Operational Requirements		
Define Operational		
System Requirements		
Identify User/Oper		
Prepare C4I S		
Define Function		
Define Information		
(Release Report)		

- Reference Encyclopedia
- Active Guidance by Roles and Processes
- Templates and References in Context

SLC Views

Release 6.0 SYSTEM LIFE CYCLE May 17, 2002

**Information Assurance Only
Process Area View**

This list shows the phases and activities of the life cycle structure and the tasks for the Information Assurance process area (highlighted and underlined). To view the entire life cycle structure with the Information Assurance tasks highlighted, select "Entire SLC Structure" below:

[Entire SLC Structure](#)

Pre-Systems Acquisition
Business Process Review and Improvement
Mission Need Establishment
Milestone Review

Concept and Technology Development
Program Planning/Management
Operational Requirements Definition
System Requirements Analysis
[Define Information Assurance/Security Requirements](#) - *1 (Release Repeatable)
System Architecture Design
[Define and Establish System Security Architecture](#) (Release Repeatable)
Information Assurance/Security
[Conduct DITSCAP Phase 1, Definition](#)
Milestone Review

System Development and Demonstration
Program Planning/Management
[Develop Continuity of Operations Plan](#)
Technical Project Planning/Management
Test Planning

System Development (Choose Develop OR Purchase/Customize/Integrate)

Develop
Purchase/Customize/Integrate

Deployment Planning
[Establish Continuity of Operations Capability](#)
Developmental Test and Evaluation
Operational Test and Evaluation
Information Assurance/Security
[Conduct DITSCAP Phase 2, Verification](#)
[Conduct DITSCAP Phase 3, Validation](#)
Configuration Management/Quality Assurance
Milestone Review

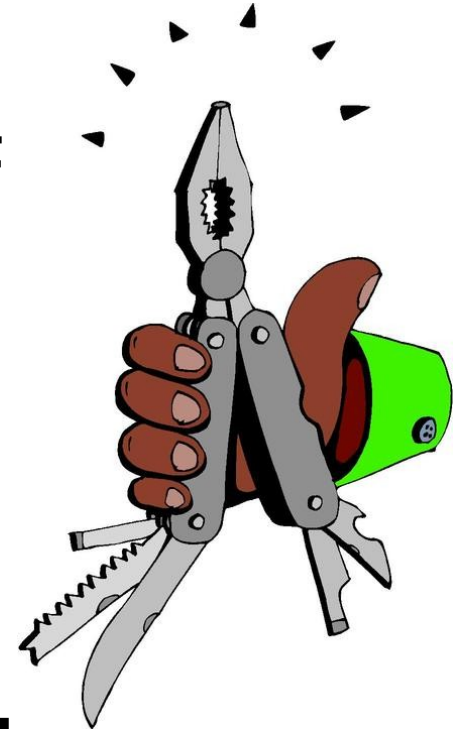
Production and Deployment (System Acquisition)
Information Assurance/Security

Deployment and Site Acceptance Test
Operation and Performance Oversight

- Process Education
- Job Learning in Context of the Framework
- Career Growth
- Seeing the Trees, not just the Forest

Tools Available on SLC Home Page

- Project Plan Template**
 - SLC loaded into Microsoft Project
- ROI Calculator**
 - Return on Investment planning
 - Excel spreadsheet
- Documentation Matrix**
 - Cross-reference of where-created and where-used for all SLC information products
 - Cross-reference of roles that are involved as creators, approvers, or consumers of information



TSO/SESO Tools

- DFAS Process Asset Library (PAL)**
 - Resources and tools supporting SPI / SEPG work**
 - Reusable assets and examples**
 - Also: local Process Asset Libraries (site, program)**
- DCII Software Engineering Handbook**
 - Practices and standards in context**
- CMM Mapper**
 - Resource documenting SEI Capability Maturity Model process for project**
- PAL Portal**

TSO/SESO Tools

– Process Viewer

- **On-Line active process handbook for project**
- **Allows project to record/document how each Life Cycle step is implemented**
- **Supports tailoring of Life Cycle for project**

– Documentation Facility

- **Web interface to manage, relate, view your project's information products**

– Document generation from Oracle Designer